

Appl. No. 10/076,051 Amdt. dated Reply to Office action of March 23, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended). A moist, packable and formable powder chemiluminescent reactant composition comprising:

a chemiluminescent reactant solution and a first particulate polymeric resin in amounts effective to yield a slurry upon admixture thereof; and

a second particulate polymeric resin ~~in admixture with said slurry~~ in an amount effective to yield a ~~fluidizable solid~~ moist, packable and formable powder upon admixture ~~with said slurry~~;

wherein admixture of said second particulate polymeric resin and said slurry yields said moist, packable and formable powder chemiluminescent reactant composition characterized as a fluidizable solid admixture.

Claim 2 (Currently Amended). The composition of claim 1, wherein said moist, packable and formable powder chemiluminescent reactant composition ~~fluidizable solid admixture~~ is deagglomerated.

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Claim 3 (Currently Amended). The composition of claim 1, wherein said moist, packable and formable powder chemiluminescent reactant composition fluidizable solid admixture is cured.

Claim 4 (Currently Amended). The composition of claim 1, wherein said moist, packable and formable powder chemiluminescent reactant composition fluidizable solid admixture is molded to form a specific shape.

Claim 5 (Original). The composition of claim 1, wherein said first particulate polymeric resin is a polyvinyl chloride.

Claim 6 (Original). The composition of claim 1, wherein said second particulate polymeric resin is a polyvinyl chloride.

Claim 7 (Original). The composition of claim 6, wherein said second particulate polymeric resin is porous.

Claim 8 (Currently Amended). The composition of claim 6, wherein said second particulate polymeric resin has a mean particle size distribution sufficient to provide said moist, packable and formable powder chemiluminescent reactant composition fluidizable solid admixture.

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Claim 9(Original). The composition of claim 8, wherein said second particulate polymeric resin has an average particle size of about 125 microns.

Claim 10(Original). The composition of claim 1, wherein said slurry is of a uniform dispersion.

Claim 11(Original). The composition of claim 1, wherein said chemiluminescent reactant solution comprises an oxalate.

Claim 12(Original). The composition of claim 1, wherein said chemiluminescent reactant solution comprises an activator.

Claim 13(Currently Amended). A chemiluminescent composition comprising:

a first chemiluminescent reactant component including a chemiluminescent reactant solution and a first particulate polymeric resin in amounts effective to yield a slurry upon admixture thereof and a second particulate polymeric resin in admixture with said slurry in an amount effective to yield a fluidizable solid moist, packable and formable powder upon admixture with said slurry, said powder characterized as a fluidizable solid admixture; and

a second chemiluminescent reactant component;

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wherein contact between said first and second chemiluminescent reactant components will result in generation of chemiluminescent light.

Claim 14 (Currently Amended). The composition of claim 13, wherein said moist, packable and formable powder chemiluminescent reactant composition fluidizable solid admixture is deagglomerated.

Claim 15 (Currently Amended). The composition of claim 13, wherein said moist, packable and formable powder chemiluminescent reactant composition fluidizable solid admixture is cured.

Claim 16 (Currently Amended). The composition of claim 13, wherein said moist, packable and formable powder chemiluminescent reactant composition fluidizable solid admixture is formed into a specific shape.

Claim 17 (Original). The composition of claim 13, wherein said first particulate polymeric resin is a polyvinyl chloride.

Claim 18 (Original). The composition of claim 12, wherein said second particulate polymeric resin is a polyvinyl chloride.

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Claim 19(Original). The composition of claim 18, wherein said second particulate polymeric resin is a porous polyvinyl chloride.

Claim 20(Currently Amended). The composition of claim 18, wherein said second particulate polymeric resin has a mean particle size distribution sufficient to provide said moist, packable and formable powder chemiluminescent reactant composition ~~fluidizable solid admixture~~.

Claim 21(Original). The composition of claim 13, wherein said slurry is of a uniform dispersion.

Claim 22(Original). The composition of claim 13, wherein said first chemiluminescent reactant component includes an oxalate and said second chemiluminescent reactant component includes an activator.

Claim 23(Original). The composition of claim 13, wherein said first chemiluminescent reactant component includes an activator and said second chemiluminescent reactant component includes an oxalate.

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Claim 24 (Original). The composition of claim 13, wherein said generation of light includes at least one distinct wavelength or color.

Claim 25 (Currently Amended). The composition of claim 13, wherein said moist, packable and formable powder chemiluminescent reactant composition fluidizable solid admixture is controllably activated.

Claim 26 (Currently Amended). A process for the production of a moist, packable and formable powder chemiluminescent reactant composition, comprising:

admixing a chemiluminescent reactant component with a first particulate polymeric resin in an amount effective to yield a slurry; and

admixing a second particulate polymeric resin with said slurry, in an amount effective to yield a fluidizable solid moist, packable and formable powder upon admixture with said slurry;

wherein admixture of said second particulate polymeric resin and said slurry yields said moist, packable and formable powder chemiluminescent reactant composition characterized as a fluidizable solid admixture.

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Claim 27(Original). The process of claim 26, wherein said first particulate polymeric resin is a polyvinyl chloride.

Claim 28(Original). The process of claim 26, wherein said second particulate polymeric resin is a polyvinyl chloride.

Claim 29(Original). The process of claim 28, wherein said second particulate polyvinyl chloride is porous.

Claim 30(Currently Amended). The process of claim 28, wherein said second particulate polyvinyl chloride has a mean particle size distribution sufficient to provide said moist, packable and formable powder chemiluminescent reactant composition ~~fluidizable solid admixture~~.

Claim 31(Original). The process of claim 26, wherein said slurry is of a uniform dispersion.

Claim 32(Currently Amended). The process of claim 26, wherein said moist, packable and formable powder chemiluminescent reactant composition ~~fluidizable solid admixture~~ is cured.

Claim 33(Original). The process of claim 26, wherein said first chemiluminescent reactant component includes an oxalate.

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Claim 34 (Original). The process of claim 26, wherein said first chemiluminescent reactant component includes an activator.

Claim 35 (Currently Amended). The process of claim 26, wherein said moist, packable and formable powder chemiluminescent reactant composition fluidizable solid admixture is deagglomerated.

Claim 36 (Currently Amended). The process of claim 26, wherein said moist, packable and formable powder chemiluminescent reactant composition fluidizable solid admixture is formed into a specific shape.

Claim 37 (Currently Amended). A multi-dimensional chemiluminescent device comprising:

at least one first chemiluminescent reactant composition including a first chemiluminescent reactant component having a first particulate polymeric resin in an amount effective to yield a slurry and a second particulate polymeric resin admixed to said slurry in an amount effective to yield at least one moist, packable and formable powder chemiluminescent reactant composition characterized as a fluidizable solid admixture;

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wherein said at least one moist, packable and formable powder chemiluminescent reactant composition fluidizable solid admixture is dispersed within a multi-dimensional container, whereby densification of said moist, packable and formable powder chemiluminescent reactant composition fluidizable solid admixture causes formation of said multi-dimensional chemiluminescent device;

whereby contacting said device with a second chemiluminescent reactant component will result in generation of chemiluminescent light.

Claim 38 (Currently Amended). The composition of claim 37, wherein said moist, packable and formable powder chemiluminescent reactant composition fluidizable solid admixture is deagglomerated.

Claim 39 (Currently Amended). The device of claim 37, wherein said moist, packable and formable powder chemiluminescent reactant composition fluidizable solid admixture is cured.

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Claim 40 (Currently Amended). The device of claim 37, wherein said moist, packable and formable powder chemiluminescent reactant composition fluidizable solid admixture is formed into a specific shape.

Claim 41 (Original). The device of claim 37, wherein said first particulate polymeric resin is a polyvinyl chloride.

Claim 42 (Original). The device of claim 37, wherein said second particulate polymeric resin is a polyvinyl chloride.

Claim 43 (Original). The device of claim 42, wherein said second particulate polyvinyl chloride is porous.

Claim 44 (Currently Amended). The device of claim 42, wherein said second particulate polyvinyl chloride resin has a mean particle size distribution sufficient to provide said moist, packable and formable powder chemiluminescent reactant composition fluidizable solid admixture.

Claim 45 (Original). The device of claim 37, wherein said slurry is of a uniform dispersion.

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Claim 46(Original). The device of claim 37, wherein said first chemiluminescent reactant component includes an oxalate and said second chemiluminescent reactant component includes an activator.

Claim 47(Original). The device of claim 37, wherein said first chemiluminescent reactant component includes an activator and said second chemiluminescent reactant component includes an oxalate.

Claim 48(Original). The device of claim 37, wherein said generation of light includes at least one distinct wavelength or color.

Claim 49(Currently Amended). The device of claim 37, wherein said densification provides a means to controllably activate said moist, packable and formable powder chemiluminescent reactant composition ~~fluidizable solid admixture~~.

Claim 50(Currently Amended). The device of claim 37, wherein said densification of said moist, packable and formable powder chemiluminescent reactant composition ~~fluidizable solid admixture~~ is by a molding technique, wherein a hollow object is formed.